# AVIATION PUSS MGRAW-HILL PUBLISHING COMPANY, INC. OCTOBER 23, 1544



Hawker Tempest—Buzz Bomb Buster: More than 600 flying bombs were knocked down by this successor to the Hurricane and Typhoon, just off the RAF secret list. It is now being used from Belgian bases against the Nazi jet Messerschmitt 262. It is powered with a supercharged Napier Sabre 2200 hp. engine and has a de Hauilland variable pitch four-blade prop.

# CAB Speeds Hearing on North Atlantic Route Case

# Industry Cold to Plan to Offer Revised CAR at Parley Time is too short, manufacturers and airlines feel, for proper study and discussion of proposed new regulations before Nov. 1...........Page 42

U. S. to Seek Provisional Agreement on Landing Rights
Reciprocal accords believed America's early objective in air parley with view to opening service
on CAB's proposed 140,000 miles of routes. Page 7

# Study FCC Radio Hearings for Effect on Flight Control

Company specialists see move to solve radio frequency spectrum problems as of vital importance in future development of aviation.......Page 43

Over 100 Military Plane Types Eligible for Civil Okay Out of six warplanes tested by CAA at its Vandalia, Ohio, base, only one, the Boeing C-73, is found acceptable without modification...Page 13



All electron tube types essential for sirborne equipment are manufactured by

Ken-Rad They assure dependable long life in all critical apparatus



TRANSMITTING TURES CATRODE BAY TURES SPECIAL PERFORE TURES RECEIVING TURES HOAMBEGGENT LAMPS THE AVIATION NEWS

# Washington Observer

PROFESTS BELANAL PROV. Act. has registed by the processing of the processing of the flat processing by the flat processing of the flat processing of the p

Council's position is that ennufacturers' de-

sire for species and profit is the host possible motivation for and out durable strongers, and

that the industry should work toward freeders.

round to that of the outsmobile industry.

MOMETTANNEOUS TRANSITION TO SHOW It has some lives all to Get Aury at lowers in the sometimes of the month for earliers arthur. We change to the contract of the month for the change to the contract of the contract of more than the change of the contract of the contract

V-E DAY CUTBACKS—There is little doubt now hat that the initial cutback on V-E Day will total more than the 60 percent which has been discussed. WFB afficials asked privately that it will be source 60 percent, but little will be said publish because of the fear of the strated forces that industry will become hulfaland difficult to central as V-E Day approaches.

PRE-DETERMINATION—Average measuresers facing cullsides six coming more and nors in contact with the wood "pre-determination" in their dealings with the Army Bendyagtest Branch Simply defined, pre-determination

ment is accessed to do an areast as it can. Prometing it is Brig Gen D. N. Heaterman, head of the Army's termination work

NO SALE ON GLIDERS—whitereft no inferrention as used stargies eithers in realisible from Defense Plant Corp., we easilyste of hid investibles filts shows that, of the Rost right affered in the Albesta CAA region, soon was sold. They have been re-offered of as liter his literature. The zees offered were Pipers, and the company says it is inspectical to convert them to planes. Bowares, they would supply supers, and one edited without caffing prices

MARNE CARREITS—Warne Cypys in solution about the control of the co

Auritory Relly Teaks breeght out by carrier handlers during apoung of the Sattle of the Eartern Philippines



AVIATION NEWS . Oxtober 23, 2046



# REACON

# to New Industry in the West

Our of the earth in the West soday comes over \$10 per cent of the paper's non-ferrous mends, obsessioux, magneticas, mangazene, checercus, etc. mercury, management and proper uncolors, and many others ... that see fighting the war new and health out the new your partial and applied evening of the West. Add to show the case the chess hedro-electric power of each done as the miranal serrictions of the West as a place so live and work ... seel you have the common reconstructs for the new substructs which will be added

This new redwarful development of the bonal West demands for manner. sation ... which means are transportation. Western Air Lines, owned and counsed by Westerney water in increasing in 1926, is along as its regards. ubdings as the "West's own safine," to provide the finest service as fast

so the West's agriculture, lumber, oil and foliang-

sa war conditions necessis. GENERAL OFFICER 100 W. SIXTH STREET, LOS ANGRESS 14. CALIFORNIA



# AVIATION NEWS

THE STAFF Process Charge

CONTENTS No diar Direc Section Forest Spring

Publicates and Executes Often

Advertisen Index Allow the of Green Meson. Ref. Assemb Vision Train Aspins Co.

characteristics. Marines hove been using the Corosies as fighter-bombers luprime 2.000 pounds. They may resunt other types of arma-

NOT A NEW BOLE-Marine squadroon served on carriers before the war, but since Pearl Harbor bave been used in land-based apmethods of elem teamwork with ground welts carrier and few level support tectics. New ribets are trained in creamy tarties from landings to issuele insfirhtime, both to give them knowledge of what county traces need in way of surrent and to instill in silets the idea that they are part of one tears.—The Marines, It part of

LEGST PROPELLESS-Send autematic and controllable citch procedure, will be down to a point in world and proce where compers will have to decide, almost immediately, whether to put them on their post-war personal planes. Army and Newy experimentation with Hayward, Annealey, and Beech-itas pushed have been In addition to the three in william constraints, provided athers are on test with Fight plane manufacturers. Still others have designs



> Top flight engineers fore cost that jet turbine units received an expension of 4 000 to 5,000 harnepower will be perand there appears little like

libered that unit production schedules will be in-\* General recognization of the Air Transport As noristion's Air Truffic Conference is bring studied. Investo serious in an International Air Traffic M CAB grants certificates to new surfaces, or

cluding feeders, the Air Transport Association is on Average of a present the only ATA member not corrown passengers. Essay, Inc., granted a not corrysig planetgers. Easier, mo, granted a certificate but mot set omeraties, abili is reduced b Bendox Aventon Corp's interest in lightplanes has reached the court of negotiations with at least one established magnifecturer. Descusions with Appropria hoperage firsted to metaristics in nexb Caconfirmed reports in Detroit say Scubers First Server beed of Consolidated Agrees Corp.

has turned down offers to become Blowing head Dimer L. Woodson, who resigned recently on Bell

# Washington Observer

study but consisted by the Combinator of later-American Affeirs shows that makers of country compa will find a market close to \$6.000. see see worth of new and used scotnets in the first ten years after the war, and that Benefit, Mexico and Arcendina will be ampor the heat customers. The figure includes about \$1,684,-\$55,060 of used equipment, of which 60 percent could come from U. S. samplanes. Aircraft contament is on the list along with muching tools and analyselian reachinery of all kinds.

DESCRIPTION STREET STREET, Asserbenson. that expenditures of large same for a statelederal highway flight strip program will intererrorsee is below felt and varied by some ppyenument officials. Advocates of the arroom proerum contend that the fight stress would be located "wherever there is an available flat more of land already'de a highway" without regard to serving a porticular concremity. which is the primary consideration in the sirpublic funds made available for both the flight preparate number. The struct advantes also executes the "safety" feature of parties the fireturing alongsie highways, posture out the possible hazards of sirelenes get of control spiret over on the highways.

aper, hee not lotned Blushes Tool Co. despite the expoundement made to that effect. Marous Child confinited column last week mode first peakly mention of Lockbood's proposed small transport, the Saturn, answer to Douglas' port, the double-decked Crestitative, and Lock-An entry crop of new German plane types is

lying, according to viewers returning from Euamountare between the sizes of the Portress and cretory soon, while the Convey West Coast Labs will return the queble fin. The Navy's version probably will become known as the Sea Liber-

All-let propelled sirkners will be in commercial one within 10 years, a chief engineer of a motor sircraft manufacturer told newsmen recently lest flights seen throughout the II & in the persons Bernsten in the Corton-Wright C-68, already made in at least one shap delivered by the comnoted industrial designer. in describing Bell Aircraft's advances in aircraft production for the war effort

T WITNESSED a triamph of plan-Angel's Nivers Pressur Denve plants but selden such perfect order

configuration in the uses and women he hazzed had sweeted for scaling shretgers bevireels: taber to keep

so the laboratories, where sescrible new cell work with enterpretable werhoels to solve problems that have surpage of the ber smershly plant, the amorphers here in these technologschilaruton, but shove all, confidence. "This was an event so be resourabered, because I saw for the first time

MEMBER AUGUSTATI TAR PROPERTIES SOUNDS. PART COAPT, INC.

PACEMAKER OF AVIATION PROGRESS



Soldier takes until the Morel Mood Take Jost -- a Jolf Associal amounteer

control water reaching distance of of a jet proposition plane. The Bell crowd evidently to an asket as design as it is skilled in manufacturies. "There are many people I know where I'd like to take through that ments in avasion. I saw the Bell beli-

now that h's really liming its strick, and what the feture offers in anistics program for our nation's prosperty." \* Buy War Bonds and Shool Fictors \* According (#39) and Kingseless (#40)-Rations Succession - 400 can Amprove a first Joi Proteined Plans

along and them Inhographer. They

DESMANCE DIVISION Rouble Can Meurit and other endnesse majorish STOREST DIVISION

F-29 Energ Superferture

AVIATION NEWS + Orliber St. 1994

These are the points at smar-

# U.S. To Seek Provisional Agreement On Landing Rights at Chicago Talks

Reciprocal accords on most-fowered-meion basis believed America's early objective in world air review with view or opening service on CAB's proposed 140,000 miles of routes as soon as war conditions pennit. America will suck at the later. Affectab Proposal on The Bratuch

Chal Acronative Board can be Rights would be granted on a national and most-favored-nation conference to select it follows automatically that the same privi-Transit Birkts With the apneoval of Britain and China or-American officials are baseful that right of fromst and technical stepwill be adopted by the conference with hitse difficulty, but whether

opening to Charges to New I to

nost-way say palary-to obtain

commercial landing rights for

Devied States surkings in more

Potentials of a durate which could lead the conference to an British whote paper published last week as an official proposal for

the open on an official level for the first time the wide gap be-

tween Washington and London on two fundamental superts of postpetent Secretary of State Adolf Serie, Jr., and Lord Beaverbrook. sources plus Mesocrachevill patents, Aviation News' Air War Consumthen top British sir official, were

MESSERSCHMITT'S 610 MPH, "SOURT": pelled ample seat fighter—the stabba, tearstrop Messerschmitt 143-on

Although no photos have been released of Germans's new reaction pro-

Asserted, China and Rustin will recent these portions of the whole authority last week. The view original proposition that, once neles eracted. the frequency of operation is to be determined enentitled to that truffe which it

I What shall be the turnshirtion of ber anniehenung about American runt among the reveral strings bu. 5. Attitude—The American which will be participants? vacwroart to that any arbitrary division of world traffic would had inevitably to power strussies.

cal. CAN's present authority other powers would be that to burners basis. Americans point



petor, Nesigetar, reports the 163 has "amazingly fest climb" and top

well advised to avoid each con-Britain probably will obtain support of the Constitutive solding for her position. They are meeting in Montreal Oct. 23. Other countries in the Brench orbit support her. But the American position is expected to win the

favor of Lotin America, in addi-I & delegates will control that small countries might be deprived of salmfactory air services if left Stuh field, Augusta, Gs., about Agreement in Principle - Or other pemis, the British whate onper showed a wide arm of namement with Washington. A new air

convention was proposed, recogable for office or other unc

on a "occusional" basis, to overt the lengthy process of he-lateral negotiation. They neget out that the Daviss Array Air base at the if each an arrangement is unapocuisful, it can be corrected later, planes and commercial arrheses. listing a repre expended fight

testing progress in CAA, and the Augusta operation probably will of suredon subtury plants has been completed Future testing stred development work on core-D. McCutcheon, manager of the Darton base, is scheduled to

AVIATION CALENDAR Oth Brightish, Way Finderline General East Look How York Hart Look How York Hart Cases, Best York Oth How Tombardson Ariston Contac-Not America. To: National of Asso-1944 - States American of States Chicago, Chic Are eryk-Oblitical Association of Stan Architec Collecto, America Meeting, Ohio-letto, City Here, 18-24-Architector, City Law School, Statement City Swe-School, Statement Air Coope Meeting

and for the enforcement of peace It operator on many of the same

course it had a fleet in house but ser been in much of virtually a feet from of supply shoot unequaled by any other country in

morale builder her voice deather or so arreal effectiveness of owner war. When American planes Application of the international upr and contenter the bases, as or force proposal of the Dumber- well as the home country planes of neither Bants nor the ion Only conference to the subject + The British facet rould not have United States could use a Chilean festiveness than the B. We have

An international sir force would

of American planes-or Russes

plance-could not effectively nor

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been a force for pence of it had experts who view it from the not had beses, from cooling stations used Chouse bases, which were in strategic locations. However, it could had coursely from Pearl it will be possible for the B-29's Harbon neither could the Amerto use for Pocific bases became whotever the size of these hashs. common supplies. Amountsian. tions and can be supplied adenersentel, food, elothing, in some quetaly by sea and six. But they instances fuel, or even operating practices. The American Navy is uh Navy, but they were not interchargestle Only became their Allies at Susmoore and Hone beses fitted into friendly straight Kong Unless the commercial

needs around the world were they

World Air Power Plan Challenged

De WILLIAM G. KEY

Airmen see Dumburton Oaks program as glamorous and good

As Unsound Military Policy

system if put to test.

air feet in herne. It would have

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riobe. In the course of the con-

eeps's spulication, national scal-

the basic principles until the draft

worked out at the Damborton

b Group of National Air Daitson

succession of national air units

would operate in concert with the hands of the Security Cours. cil's Military Staff Concettee eral resider that formula has a Is substance, here are some of

The Durchartan formula would

world-encompanies aspect

PNEUMATIC CUSHIONS LIFT PLANES Bubber preventic customs of pure saw, used as plane jucks by the AAF.

are loced together to left planes. The deficted begs are placed under the wraps of a plane and related to three possels air pressure per square such, a pressure not exceeding the skes strength of an avplane uses. The enganeers, represents considerable sowing in time and manpoiner, occuold system of excessing under arms of belly landed plane to plane hydroulic jacks. It is angled on out ground. Four bags well lift a 20-24

# Flight Test Base of CAA to be Moved

Shift from Dayson to Besh Field at Augusta, Ga., to give fell use of farmer flight training school CAA flight engineers who have test base for type-festing surplus

tation or communication under our be settled at the conference. Augusts are columned. At Davids

TIME NEWS, Oct. 14, will give the tracent school arrest, navernment owned. Eight miles from Augusta, the field has three 5,200-

consecretal landing; med for pre- fact ranways, it equipmed with vention of uneconomic competi- two hangars of personnel contion and far standard safety yes. uletictu. radio equipment and weather reporting. The British, however, proposed P Staff to Re Increased - White anthat the right of an airfine to em-

Change Services Arrand Smiling. Ariant Consideration and Manufactures Again State of Consideration Again by desirted for a third country American delegates have the meter



ACCA AIRPLANE TECHNICAL COMMITTEE MEETS

creft manufacturing community perhand at Los Angelex for a two-day specting of the Atralgue Techtotal Commettee of the Aeronoutical Chamber of Commerce One of the sequentent discussion subjects concerned technical systless expected to receive consideration at the International Civil Arreston Conference in Chicago next month. Pleture at left shows. left to right. C. L. Johnson, alved research engracer, S. M. Wendt, vice-cresident, enoncerno, Taulor-Lockberd, Webrood E. Reall, mos-president, engi-

Engineers and sectional representation of 25 air- neeros, Borrey, R B Maloy, technical assistant to sumutration, G A Page, director of engineering, Curries-Wright At right W. C. Jamesmeen, chaef engineer, Piper, W. A. Khehaff, chart compared prendent and chief engineer, Goodwar, J. E. P. Morpen, meneger, Personal Alveraft Council (ACCA):

AVIATION NEWS . October 23, 1944

marine and the colonies surround-AVIATION NEWS . October 23, 1864



HELICOPTER FLOWN TO C-8-1 THEATER Test section of helicopter Sours from the United States to the Piret Air Coverando Groso is unfoeded at an Indian here. It is that of an IM-B Silionsky, the first production model betscapter. They have been used in

and WPR sureals

Auframe weight last mently, ex-

Airframe Weight Triple '40 Average Pretection Doubted - Under cerned by the proposal, an opernational sar force of the Dumburpered with 3,000 pounds in 1940. with the forecast that by the end sought will run to approxymatch They staint that the proposed in-13.503 nacedo

Ross Gers New Post Sentember Unit Total Off-This ber production when 7.598 planes West Const, has been marked August and \$.117 in March, peak suggested to the western region month in unit output office of the Average Manufaccluding space parts, was 78,990,-000 pounds compared with 79,590,-000 in August and \$9,000,000 in Ross will asset James L. Struckt, western remon manager

plane, at 10 222 neurols, was two surnius materials disposal and other transition problems WPB released the following

weights at various points in the

5,940

en tactical types-tombers, fatoers. maya) reconnectedance and transports-in contrast to the explar period when the pougram was

expending rapidly. In 1945, 500 breakers communications and snew Last month, 96 out of every 200

Nevy training operages. Errobaum Totals almost 10,300 pounds compared with 5,020 four years Plan IP Research

In New MIT Lab including can turbines and for urets, will be started shortly in

new laboratorses at Managhanetta to a report made by De Karl T C. Hippoker, chairman of the Na-Besourch Projects - Compton's

E. W. Wiggins Dies

R. W. Wanging, programmed school and fixed base operator, died at and funeral services were held Wiggins, Jr., will carry on the

twin-rotor hebiogeter which he AVIATION NEWS . Devoter 28, 1944

Loening Sees Need for Imagination, Talent, Courage in 'Copter Field

Chairman of NACA belicopter subcommisses tells Washington Acro Club that development of rotor craft still is in hands of featless young engineers rather than in elaborately equipped present course.

The multitude of helicopter one and heavy land carrying, with h Hiller's Secreta-The work of Statley Hiller on the West Coast. eo. Inc. is Mr. Lorsine's view beliegeter subcommittee of the Nashows great talent. He posts out that wang Biller did not know

neers, the more quickly and com-Marry Versions... There are more persions in fundamental type w rigally in the arrolane, Mr. Loon-

ter, in Mr. Laevine's view. Same FVibration must be overcome Faster eross-country spends are

Usage of the helmanter in little to be coste different from that of the simbine, and Mr. Locoung does rivalry between the helicopter and the subemblie. The proper perspective is that of dealers with a Print-LePare Model-in addition Army, Mr. Lossing receptly tald

the background of other models he feels are progressing stong the classifies as most successful, and with a design lending steelf to large

prove, although it has extremely

PROB Stability of the Rell believes allention to obtaining state and much This reaching year a rely-

A Histoire True.... The Houses belolar to the Misonder, although it interperates changes in equipe pincerned and other features P.P. V Scill Secret - Prock Paspockrib P-V Engangering Forum helicepter is still under Neav Wrope in many of He aspects, but ton early, however, to approper my, refer dealers demonstrated remarks



copters are now well advanced, Grover Locates, chairman of the Asheep-



Higgins' Bouble See-Saw Helicapter: Streem-Ired Miggins helicop ter. Assigned by Exec Boss, is reported to have made invated test Rights, tethered with a rope, at New Orleans. Greener Lorenzo roternof the second tope, with point reter blades which record at the center

AVIATION NEWS . October 28, 1866

# Study Jet Helicopters

of eliminating the torque unaband memorals without with and onloce. The belacopter rotor drives deed properli the unit by the reer plant, a being worked on in select of a set of oir declarated alone the trusting edge of the blade or at the up. There is no torque since motor power as had angled describe to the roter shaft. Montgomery Knight of Georgia Mr. Lorring says mean costneeds believe it has a propioner feture. It offers another method of water

there for cavilion use. This is the into appointful models that leads to Mr. Locateg's belief that reof Army or Navy materials for the these with the taken prographics. A Materials. NacTolkie... The morather than to relegate further dea small trainers and livings planes "longshop or one nemocyter to ume although, measured account

total demands, even these will be original sides that was wreng to over by the Army, or replacements and caused corry anything like as mercial show in condition com-

narable to that when they were Bill to Ease Curb On Modifications

planes through Defense Plant

P Lightplanes - Meanwhile, pro-An amendment to Left. Waren' requests for crystan production are moving slawly through Corp. huilders of Enverse are farplanes in cleaving through WPR ther advanced than any other. The dled through the Halterone office. of the War Marroscer Conversarion and returned to WPS for fruit ban-L-40. time WMC will not reveal its Through the amendment to L-40. it will be possible for manufactarees and others to obtain neces-

number Board certification. Some search in the past few weeks

meet requirements for Crvli Acre-

reported to be a new service con-

tract given Engineering and Be-

# McCarran Bill Leads To Monopoly-Royce Airlines policy chairman re-

acress These laurances operation in anterestional sit

ander R Royce, charmon of the Airiges Committee for United amond a "chasen sastrement."

The United States has been icy for demestic and international escurvitus or control, which, he and, has proved treffective elevant

1. The United States circular has an attachment policy for both Commands and spainted policy for both Commands and spainted policy for the commands of the both the commands of the 2. Negatistat compelition is in the public library in time of pure the public library in terminal decade options resource: 2. The Notherns bits would envise a days: Notherns bits would envise to days: Notherns bits would envise compelition to the field of inter-mitted as of temploper.

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A The "shoes intricators" is a
swingerly included representation

A The "shoes intricators" is a
swingerly included representation

by the special representation

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A Contributed representation

A The "choice increases" policy

would not placedow. 2. The "obsert interest" policy would, in office, exclude new American planeers from the field of interna-A The nurleymone of America composito operating under regulated

Over 100 Military Plane Types Eligible for Civil Certification Out of six warplanes tested by CAA at its Vandalia base, only

one, the Boeing C-73, acceptable without modification. More than 100 military agreedt gibbs at present, is being studied types are aligible for earl nertrication, most of them on the Drivan-Crima's C-28 will be-

Administration at its testing base

Appreced phase is Beeing C-78 2677) surrent for manner plant

Navel Trainer Offered - The Naval Average Factory NEN-3, a trainer, will be arresped with medifications. Some of these ships are new being offered in surplus Enjectable PT-23 may effectable at

present, is being engineered by Fairchild to correct features neligible on hade of facts thar-North American O-47B, meb-

Assistant Administrator

Division under Administrator T. P. Wright, Alian II in applers I P. Willer. Also it is engercreated two other new nowtrans as essentents to the adminustrator, the duties of when here not been catlined Charles I Stanton, who redeputy administrator, conspinet posts will be filled by appointment of J. E. Sorgment.

cessoy in the deputy position,

Again in the transport field Lookhead C-57 and 57B are ourtaficated as 16-66, the C-59 as 16eres and caston models are h Pfree-The Proc Lad and Ladd and BH are certificated as JSC-65 the Last? so 350 the LastG as JBB and the TG-6 glider under Ryan PT-22 and 22A certainate

and C are O-tell's, D, the \$5-

models can be converted to C-18's

givil models: UC-45, UC-45A-

R.F. AT-7, AT-7A-B-C, JEB-1-

2-3-4, and SND-2 and 2-C The

C-43A is approved as a D-17R

the AMC as a Baltin the AMD on a

B-178 the 418 to 9 C-178 and

a Cold and the UC-94 as a C-163.

Commonwealth Rearwin UC-102

47A as DC-9C's As DC-8A's are

DuC Cuttle and SIBuCuD and Cuttle

At DC-Fa, the C-49 and 49A

through 49K, C-50 and 54A-B-

Familial PT-19, 19A and B as M-69A's and the UC-66 as the

C. 52.4 and Hearned DC-18 and

TED as DGA-150 and DGA-151

Church UC-1778 is certificated as

be 43D as a Califf.

162A az sez 8138 Douglas-The Douglas C-17 and

CaD and CaSt

The following Beech makers

Now becar tested are the Bauelas C-39 and the Curtiss AT-9. heed AT-16 and A-28A, and the to previously approved models B to F models and the TO-5. B

Releven It is demand to be

dresped by the ofene after are Schweizer TG-2 has a cryshatt certificate as the SGS2-6. Spertan UC-71 is confian 78 Siron L-48 is the 104; UCS1 the SK-4B, UCSIA the SR-16G: UC-81B and SR-8D, UCHIC the SR-9C, UC-SIE the SR-9F, UC SIF the SR-107; UC-61G the SR-In the Taylarcraft acres, the L-2 and L-2C are correfered as on DC-63. The L-2A-B and M -- H- 7000-65, the L-2F as the 129 as EGC-6: DC-72D as VKS-7: UC-72E as 20C-7, UC-12H as

### Interstate L-6, of which name are heing offered as surplus, are Vanaman Prisoner

Brie, Gen. Arthur W. Vanarusa. held a prisoner by the Germani, was explured after the plane or which he was acting as observed. was shot down in a recent bambmy mission General Vanascan fore the war, later serving as comranding general of the AAF Maas corresarding general, Okla-

# Study Compromise refusiry executives to enion top Contract Termination

Washingson circles examine varicus types of agreements affecting asscraft industry. Study is better riven in official order in Washington to virtual chief of ner staff, material and sersurvated war contracts affecting

cary negativations partl up the termination and submission of clares to the AAF has mercand surgraft subcontractors In an affort to most the needling to assign feares of contract terresmaken officers to major severaffi in the first half of the year are to assist them in pre-planning ter-118 or care 25 married of these Ton Men Urerd for John-Nestindustry and government officials thing chairs on an average of 66 to Washington have been upone

# TELLING THE WORLD . Jake Maltland Cook becomes now

restrates. In 1935 he became

the AAP and General Hooking sition of the industry, the problem subpartractors and difficulties of settling cost-plus-freed-for coney bonding the plus-ford-fee on piracia court

specially. Conk towns manager and the Boston Store in Milwarkee they will have, once reached. · James C De Long, New York adby the General Accounting Office

of whom may take an opposite inectal & West-General Hopkins communited 1929 Later he was appointed viceb Opentionnoiro-To sad an contract

result in large savings of time and

miller on government questionnaires, headed by F Stuart Fitspetrick, an official of the United No. American Makes

New Secret Planes Holds convents for 500 of restricted models in addition to fighters, suport to stockholders

Distingues that North American Aviabee, leg, now helds conto those for approximately 18,000 P-51 Mustang Sphiers was made meeting at Wilconster, Del conversions of the sovernment

nearly double that of present Staters, he said, and hombers in production within two years. part year, which included I Musteng fighters at North Amerplant. 66 percent eventer than in 1963; 3 Average production during each month of 1944 of Mussle manufacturing operation

effecting a reduction of 26 5 per-

over in cast of R-55 Mitchells.

Two-place helicopters, powered

Data on RAF's New Tempest Released London by the Air Manetry and

bombs hoving knocked down Lake its predecessers, the Tempert is a apple-sent low-Sydney Cover It is powered with a supercharged Naper Sabre cogune of 2,300 hp. and has a de Hawliand variable oftch

iting from Belgan boses against at place Messenshare wa British refers report speed and case handling of the Tecapest in such that they find the German easier to shoot down than france boeshs Temperat recognities the The respen research the

strongered and with supellent





Withenoses Daverport, resigned. Relob Fuhrer, general supermitendent of planting and tooling at the Columbus plant, becomes factory mana-

will have service cellings enabling

Human Pick Up . Bereris from Europe of the use of the serial meksip system cupied crentries in much the

place helicenter contrac about \$16. and later eladers have been picked up by airplanes in fucks are authoritisated by Avorien's premdert, Halory "We know it can be done." man regius used in Europe is

was ready for use Early exwe irrests unclude the lifting of modified, and used to lift buthe pickup harriers is dropped from a place to the palities at a persebute sump" The Above

tions from inside occupied

# raches, with tall up and age blade vertical and 16 feet 1 meh 35-40 Place 'Copter Buses Forecast

regulation from New York to Wash-Do predicts regular service to areas lacking convenient port them to fiv with safety over one

Helicopter brases canable of carconvenient airport facilities, Col. hise a Horse Con Do (Reynal & Gregory, who has flown most of the more successful beliconte

erful downdruft created by the ricene in landing and takeoff." He 115-Ten Bases - The helicopter present belappoter denen data

ture of the commercial version of manager of the Columbia plant Buffelo plant scodemic Cerrynondor in addition, Vanderhre will too H Williamson mostal manto Bullalo as director of business

France Heads C-W

Charles W. Presen Curtum-

Buffalo plant, is returning to St.

St Louis Plant

research replacing Dr Donald H AVIATION NEWS . October 23, 1966

ATLATION NEWS . October 23, 1944

# PRIVATE FLYING

# Improved Luscombe Silvaire Prepared for Post-War Market

Engineers weeking on secret designs for practices luxury lightplane, described as all metal but fabric wing covering.

Lusecenbe Amplane Corp. wall the present fabri

Fillished its world Stewart goods—with a graft just a first of many memory and the property of the property o

About 1200 Shinairan ware dilayered belween initial production in 1607 and the conspany's convertion to infrared pub-assessibly was conferente. Lauscombe officials estimate that about 1,400 of them still are frying. A great many Shinairan wore in was transied service, and same than have been popular with before in the surplus popular with before in the surplus.

I has 1240° Casan-The Shiquer to all proble stores (think way one oring at in the two-thousand-control and two-thousand-control and two-thousand-control problems of the control proceedings of earth in the personal place field. High, weign attainments places good does weeter over form the place (all places of two, highly rathred arrangement for intervenents and control places and the places of two highly rathred arrangement for intervenents and control places. Base in about 500 miles, with 22 gallons of produces, barried at Two politics pur heart Three alternates aughture see a form the control places of the control places of produces.

tool injection method of carborrobon, and does not freech.

Lansombe is making it had for position in the private and treasing plane market on characceration described in equal to orbetter than those of other cesversional designs in this class, plan metal continuities. Consistent of the continuities of the plane and the continuities of the plane and the continuities of the plane and the continuities of the second of the continuities. It is not to the continuities of the continuities of the continuities of the plane and the continuities of the continuities of the continuities of the plane of the continuities of the continuiti of their most interceiving selling ports is inside the head of manbox and the selling of the contony say, has reveited the colman notion that mells decis and pront-which are head to repair from the college to their reports from the transfer in the college of fundors. Prestruitors and weakred creates are quarkly and neatly repaired with new thest and prest.

Metal has important advantages in parts replicement, too, Lancoulde engineer my. For example, the sign-stream finelings in made in overall sections. These sections are latercharacteristic. A



Roat-Builteed "Sitrates": This Lossonic Silvaire deables or a sea-



add that they can early replace of Laucoube Strutte Model 4D are shours here.

and directifive of racial And they Lancorde's Panel: Radio equipment, mutrament conel and deal controls

and Married By Anna Anna

at relatively low cost, with puris replacement awing the expense of rebuilding.

New Persons Pattor—Lucoushir provide paid a generate so better a currentle by equality relations as a consistent of the consistent of the

The state of the way, Luncocket was the coty pieze in the fideticular nay, Javane as overtased, or consistency and present and a necknocially needed here. It was seening the fart to use dissault dens for ferrange familiary and could person. The part to the dissault dens for ferrange familiary and could person the constitution of experience in notice, part many new device and mathetic developed in connection of the could be appropriated and part of the country of the connection with coulding result acceleration.

retaining cost in Xasa—Prior to convertism, the Lancorate plant is established as welling of 20 until per section in whenge of 20 until per as welling of 2,800 per year. Most of the facilities are owned outingth by Lancorate, Defense Pant Coop bowlets a send instead, and in the constitute is few manufactured in the constitute in the prior of the property in pointing of recognition and the parties of the property in pointing of roce in organic, and has an adjacent surport

The first plane built by Lancombs. called the Physics, powered with a Warner radial 146 hp eagure and hated at about \$6,000. in 1924. Then came the Madel 22 in 1936, with a 90 hp radial, sellray of obest \$4,000 Both were metal, bigh wing monoplanes First of the Seignire had wan the Lauronche "50," with a Continenengine, posting two persons, safe by side and selling at \$1995. head Mr Klyty may then and ball" coverage which approxistill is represed by the reats mates the "all-risk" policy, the production possibilities of highbroadest coverage written on pri-

Pre-War Laurocake: Trim lines of the Laucombe Stivaire, one of the few sweet fundage highlighteen in equitone before the tody, are apparent in this registral where apparent

Parks Offers New Plane Insurance Plan

Plane Insurance Plan plane with the proposed program extracted in common resident is abolded stitled from the program extracted in common event interpretation and with the program extract ex

horse freeques, Sporred classsummer that on their places and
controlled the surplice were a possible for all stellarses
from the surplice of the surplice of

vate planes Bates run from \$4.50

per \$100 of insurance for the lim-

without extra charge also permitted succeeders of the buyer's immediate fuzzly in fly he plane as well as any certificated plate who has the buyer's comment. Standard policies when every comment. Standard policies were succeeded by William over only the perchange when the war was preclaimed by William over only the perchange with the war was preclaimed by William over only the perchange with the war was preclaimed by William over the war was preclaimed by the perchange with the war was preclaimed by the perchange within the perchange within the war was preclaimed by the perchange within the perchange wi

buyer's course & Standard poltors cover only the purchase services over only the purchase services over only the purchase services over only the purchase services of the control of the purchase of the course of

need 10,000 orders, corpored with the present 2,260 He reported the United Status has trained 100,000 milliary picts a year, at the peak of its potent was training programs compared with 20,000 Breamed picts five years ago

named paril pakey and \$8 for over-



Doper Left: Nonerodesmonal Winner, space right; Professional Winner; Inner belt: Floorbades Yed Design: Langer stabt: Boodable Plane Party ference with its pusher jot-pro-

# Plane Preferences

Shown in Contest Both few prices awarded by Presider Science Meschly to nantrur and projentional egeties are for models of free-place sir-

A frend toward rubbs reeferfuscings, is apparent in the annoneyment of waysers in the Popolar Serence Monthly personaltype arriane dearn competition, hars, 19-year-old Marine who won first amyleur price, and Donald J. personal proference Both received

h Anti-Calibles Davices - Plo

Potherinchara's plane design

afforded by agreening booms from whirting propetter or putting jet Wheeler's design uses a correnstine with three bladed propeller, while his craft's tail surfaces are A tetal of 3.345 deputs were subscribed in professional and smadesigners from all 48 states and 10 proofus; removable wangs, wood foculum countries Statements ac- or plustic construction, self-startcompanying the designs indicated ers, integration of rudder and fow would retery-wind sizerall, afterna control

tear divisions of the contest, by fer to pay \$1,500 to \$3,500 for a than to pay below \$1,000 with managem conveniences. Payocod > 500-Mile Range-Range requireresults anymored about 500 miles Statements amphasized need for tarker speeds and longer range A total of \$5,000 in war bends

of environed variability it affords secous in front seat goald take Other designers, so amalier memberg called for amphibiana, postedless. East St. Loois: Edward St. Eruna Detroit Lieut Col Lego il Arthur Wakeling, assistant editor

research its tail high, to award later - than hee been designed goto small was distributed smang 40 witness

# They wouldn't fly without them.





Speaking of animals—a tempora war correspondent always carried. a little brown teddy bear whenever he traveled by plane



A white kitten was the masont of a troop carrier plane in the New Goines area She camboled around the plane, cruite at home. 10,000 feet above the Pacific



A waist gupper on one of our four-engined hombers claims It's a locket containing a few ringlets of his wife's blonde hair that always brings him back safe

and sound.

Ethyl antiknock fluid goes along with fighting planes powered by U.S. made quantine. It goes into practically every gallon of lighting grade aviation fuelwhich is one reason why our fliers not only have the best gasoline but plenty of it.







Proposed East River Sky Bock: Denga of P. H. Speacer, Republic en-

183 servery from the service and

maretenance than facilities, drive,

and elevator lift, a camp to the water with 14 percent grade, \$50

by 110 feet. It is estressed lower

dram size (4)-foot span) are-

Air Harbors Urged For N.Y. Waterfront

Personal believed logical softe tion to problem in view of exfor planes.

may be New York's most logical serious doubt that other con-Two designs for air harbors which will provide facilities for uared by P. H. Spenger, summand shoul commercial peoper capover two advection tions on the vole a flat landing and perkent carface 225 by 300 feet for lashin cooper operation Purking area or appartents would be averticed room, restaurant, administration and countries office control tosts Place Would Support N. Y. Sky Harbor Project: Landing and service fe-

rest; the roof, an england area,

would provide 101,600 aguare

500 square feet, a ramp 150 by 100

A Patential - Refere warriese restrictures went onto offers some Non brokens on Rast River at the feet of Wall Street, and others of 12rd Street, Spencer believes bines, seartanes and behonsters

Pre-war amplablana and seato he used in the post-wer era. and usually were flown by profeeneral priors who would land the owners and passengers, and landing places because there was level fredition would house 50 me-

are designing small amphibuses Second design proposes to fill- for post-way uses marrier to those supported by Spencer, sesses wade a fint surface dock sees, 338 them his own company, Sepulate, by 550 feet. This would unwide a und Albed Aviation Corp., Codelanders and parking area of 150,- evenile, Md



official for helipopters, personal amphibians and conclusion would be provided on the Membetter mater front, by placing a flat-merisced roof oper two peers, or shown in the above design of P H. Spencer, Republic feet for stargage and parking, 21.- Arrendt Corp., precent engineer.

AWIATION NEWS . October 22, 1946

# Answering some HELICOPTER QUESTIONS

wide rething on their ancier treatments



and facual sportant of the helicoper and an informed self on the furnity of the believe or .

# DESCRIPTION AND DESCRIPTION

Dated States in effective research and production bears

# WHAT CAN HELICOPTERS DOT

# ARE HELICOPTERS EASY TO JULY

fiving" will be improved with further engagement develop-

AVIATION NEWS . October 22, 1844

he mose caneeges than the most couly sexomobile framers. rest are block to be could for some time receive. Of course if the efficiency of miss production and the competitive scampens ayasen are premiured to have their effect, the oper



# WHO WILL USE HELICOPTERS?

other forms of preseporation cannot serve. In page street

# WILL HELICOPTERS BE PAST?

which access (00 m. n. h. Sable as commenciate, they start cow-fire travel is much there than euromobile or train manager equals. The practical behaviour will not conside a

# WHAT ABOUT HEUCOPTES CAPACITY

### HOW RAPIDLY WILL HELICOPTERS OF PREPECTED? As in the case of the similate, development of the behaviores must of many milions of companys mandown over a

negod of years. The passeon day believe or in the result of period of years-inconsequential or yet, compared with the to come, additional raillions of engineering-mus bours maximum considerate to progress. How soon that goal as

### KILLITT HELICOPTERS

Keller: Agends Corporation has been a designer and budder

# KELLETT

AIRCRAFT MANUFACTURING COMPANY

# Ready...

Neath Indeed to this address of the skies comment with his SAFE-T-GRUTE. And ready also in our those who fip, but with the development of other Today we've making SAFE-T CHIFTES for the paratrees and conduct from ... but when Vactory has

facture of my form of SAFE-T-PROPERT for which we gende sequence from those who have a problem. appared or kindred lines. If If If If If Our encurrence stell to available for correlation and an are proposed to plan, africe or manufacture.



### New Model 'Copter Has Tandem Rotors Harwin-Link "helmland" expecied to began flight onto soon.

place ship based on deciras of David J. Little, vice president of

stopped, one rotating in a lower a fully satematic clatch. The autamatic lift control, the designer

The automatic stabilizer, Mr Little may, will bring the beliconnesses have a draw area of \$30 square. Seek, duc loading, 1828 The /TL:

# Fisherman's Air Park a like waterfront track The ing and hangers would be within walking distance of lakereds cabins. The town of



New Your Hellespier Near Test Street: Photo shours unurual gruncement of rocor embodied in Horturo-Lettle Co. "heliplane". A 50 hp. Franklin touers duel retors arranged in tandem in stepped plenes

ton most 450 ft heat mean ofthe corresponding to corner of Burtone. erator of Beyor County Airport at San Astoon, Tex. The Hart-

minns Mr. Liftle had been remov-Hallater Associates of Detroit struction of a five-place beliefane July of this year, General offices eved with a 165 ho Franklin an-



by Mortugo-Little Co., of Son Antonio Left to right Berold L. Mortwas president of Particip Amerall, which is dealding the founder. Widhars V. Callen, enganeer, SWPC: France A Marphy, propurement duration, SWPC; Buscell P. Griese, sect president, San Antonio Mana-Securers Association: C. N. Pieses, industrial commissioner, San Antorso Chamber of Commerce; C. L. Pagh, special representative, Sex. Argonic Munifesturers Association; David J. Little, designer of the Lattle Conter and enganeer in charge of development.

# GOOD YEAR AIRCRAFT PRODUCTION REPORT



HOW GOODYEAR AIRCRAFT CORPORATION SERVES THE AIRCRAFT INDUSTRY

# CURTISS-WRIGHT P-40 (Workowk) 3000 SETS STABILIZERS

FIRST PRODUCTION UNIT DELIVERED

GOODYEAR AIRCRAFT CORPORATION Pioneers in Engineering Airmstol

In the complementary made. 2. the designation excess 3, the reconstruction 4, the healthing comassemblies to manufact for all types of air- parts for questity are- plate gralages and

5. By extending the feethers the seletion of any design of

AVIATION NEWS . October 23, 1944 AVIATION NEWS . October 23, 1944

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# ZERO HOUR

was so Suran and Gours. They see size mixed his

medit they see gustoling from strack the advance haves Espails: Assistive Corporation, Farmingslak, Long Edond,

Republic fourt in war point to fourt in peace

# REPUBLIC @ AVIATION

### THE AIR WAR

COMMENTARY

# U. S. Airpower Again Clears Way For Next Big Pacific Operation

Major landing action expected to follow large-scale attacks apparently designed to isolate Philippines. During the second week of Oc- purpose of these air assists and token. Vinc. 8-beneal. More. Mills. never to be the look for of the Phil-

force, occupening several powerful carrier task groups, definedly moved straight unto Japan's Inner struck at shipping, key nor bases and other shore sastallations in the Rysics Rette Chrin (cornetimin called the Names or Luchy Islands) salus, southernesses minud of the of Afrairel Holson's 3rd first fourth days. On the third and fourth days Matacher lasted out against powerful Formous (Teswin) with the premied carrier force of 1,000 planes, and again with some 450 planes on the fifth and following days. The twodeet, which was further encourared to come out by an apparent "Newse" from the Philippine waters by Adreral Halsey's Sect. forts and of they sent not enough of St-28's yet damatched from their China, dreeged a devantating load on Engrana with a high proportion represents the first employment of B-29's at two successive attacks. and also as part of a coordinated which other forces were involved. been used in strategic attacks

enemy miand bases to the morth, historia Okusawa and Amaria teral agreewer suppossfully worked In all of these campaigns, as well. and companies them. Another aspect of this fruitful principle in Arthur and Kenney in New Granes

and by the Admiral Sprusnoe-Genthe fiftherts, Marshalls and Cornlines. This leaves searce of thousands of energy traces to wither or the vine, bopelessly out off from relief, resear or cocker. reputiting vertex of such attacks plazes, troops and expedies until the tene is ripe for emphilipous landings, with heavy air cooperation, on the Philippines. With the powerful Palsu Islands in our unds to protect the right flank, surrene desire cines March, 1945.

Where will be land? No doubt

the light of the terrific pounding

eiren Mindaneo during the paul

few weeks and the relatively light

opposition found at the last at is not

not be in the making. Hency six islands much of Merdanan way out to be a screen for surprise land-

the Philippine Sea, well within Sees Trus creathing blows are rier-based sircraft, which at the surer time are able to protect the in the concuert of the Managar and the heavy blows against the Boun Islands, Mardanas, Legen A raid of 1,000 planes consisting ddition of 20-pers, curren in addition to the standard \$6-calstre

high velocity rockets. The recent attacks on Fermosa, staging area par excellence for the NAMEATON RCAF Cutback

### Recogiting for the Rayal Casaabout 6,200 air crew trainers are

RCAF plans to make operators in all-Canadian squadrons. In the a quarter of the Royal Air Force

\$114,252 Trained-A total of 114. sted from the British Common-The 4,300 air crew men being re-Army call-up or may order in the post, mestly itsel productor. impossible that sasther of his now if they have been blooking Bastlefeld—The main famous lesp-frog operations may than two years. if they have been in the RCAF less

AVIATION NEWS . October 23, 7844

### PERSONNEL.



reles units. He iniged Northwest in

fir transper of United Air Lines of



Look Marrier will be New York an-John Standard, formerly district manager at Goldand Trappen stud-

L B. Brokersen has been asked respired general sales manager of Gene P. Bobers his been ramed teles prometion magazar. Randernon-remed the company in 1896 and non He is a member of the lactua-



Airlines infety engineer, has been ton and autoby progress. Ender PCA's new consumitoes chart. W R. Manchester is operations reco-C. W. Westlers communes as system

assistant exact paint, southern re-



manufactive and Research Corp. Dower C Wayne has resigned as that of the truspectation branch of the Office of Prace Administra-Monterroy, Mexico While in Wash porton by Serverdated OFA's transthe agreey with other government ngeneer including the Civil Agra-

Fred N. Davey has been appointed Dayer became interested in your ance for aviation role in 1905, when of Harber and Buildwan, Inc., as vace



10 YEARS AT LOCKHEED

Alten Guiberran, provident of Gue nonneed appointment of M R. Be

Bassier M. Gastrell has been reco Calif. reniscent Donald E. Blaudel. who roughed to become director of personnel for the Office of May In-



of the War Production Search ereies"

AVIATION NEWS . October 23, 1504



# Size alone wasn't enough

Six slove wan't enough There were

simbors. But these upp and linked have range and land currence shally. work in developing such four-encode

produces to the Bart Florer Forence

Secons in plenning and everying

TORREST OF SELECTION PROPERTY OF THE PERSONNELS AND PROPERTY OF THE PERSONNELS AND ADDRESS AND ADDRESS



### PRODUCTION

# Plane Speed Near That of Sound Presents New Design Problems

Reveraged equipment and new conception of nerodynamics developing as result of war-stimulated advances, such as ice peopulsion and turbing-type power plants

or ingrenous attention of acce- lifety is the burrier to airefares And revoculation advangements scientists stready are solving problone that might have taken years | Mech Number - That factor. without the stimulus of war. Dive Flags Developed-An indi-

ported by Kolleman Instrument Division of Square D Co., which called the Mach Namber, is on important see in determining the aecodynamic qualities of new or

served. The replaces of overseasily

nautical science are involved in

reaching the speed of sound.

videant possibilities, since the will attem before it reaches the speed of sound varies with the dothat certain portions of the plane

Importance to the summer of determining at what speed than

FVeries With Altitude Kollamon volved calculations to determine sastroment is 3 to 1, the Mach

Named for Austrian Scientist-1880's, Much, who is his work on



ROWS FLECTRIC BOMB BAY AND WING BLAP ACTUATORS

AVIATION NEWS + October 23, 1944

tor shown on the left opens the bomb boy doors of operates the speed-arresting using flaps of the B-25 derlies to operate or not less than \$25 rpm, develop- with possels at x speed of about 250 rpm. Both are est essential to operate or not less than \$25 rpm, develop- with possels at x speed of about 250 rpm. Both are est essential to operate or not less than \$25 rpm, develop-est about 250 rpm. Both are say essential to operate or not less than \$25 rpm, develop-est about 250 rpm. to the serodynamic qualities of While not directly related Kolleman also reports development of a practical true are speed radicator, on instrument which combines on our speed indicator, altimater and outside air therresearcher for a conditioner radio necessary to determine relation-The new indicator is expected though it was developed in soninvestors with the Array Arr Forces for the purpose of increas-

puting true sir speed under openbut conditions Mulematic Corrections All pecessary corrections for altitude, outside air temperature and compresidelity are automatically apphysi by the mechanism. Kelleis relatively easy to restall, restallston of a thermometer bulb for the outside not temperature

unes transports when commerlarge scale. In addition, consider- passengers



NEW GUN INSTALLATION: A second of every then 200 possels in the society of a B-24 Liberator tion shown above at Councistated Valtee's Tueson directon. The 16stallistics represses the come of fire

ret and ourse the plane oregier able industry interest is reported.

cial production is resumed on a for its use as a cable indicator for



A more which should ease manvance information on schedule re-

An order issued by OWM Director Bernes designates the WPS recommend assumes.-War and the convolttee with full information concerning coming sufferior which the committee will run-Data Given Employees-The pro-

about coming suibecks in transmatted promotive to employees: WPR is to regarde national manarement and labor organizations with summarised information as to the extent and regional lecution of corring catbacks and the War Manpower Commission is to advise its field representatives of major cultucks which will require special



Production of Masquito aircraft. in Canada will confinue after the war in order to meet receivements for the Partile conflict

Occurs of the bomber-debter is well under way, according to a report made by G. A. C. Bear. pergrat manager of de Havelland tives of subcontractors. 1 54 Per Meeth-Wielle no production figures were released, if was emounced in Ottawn recently by

AVIATION NEWS . October 33, 1844



we call it Lorniyla

The development of Ferench X' is an authorities a Concessional

few years upo Bourly, Formule W college of possible to popular

electron vacuum rates which per two fifty grid emission . . . absence on which harried the other performance by common

In producing Founds X' Elmoc Engineers have proved again.

to the person of electronics arrive the firmer "gas-feer" cabo of a



The Science Behind the Science of Electronics











ease confend top protects facile. . .



these capest for the extreme demonstra-

of war. And a lot of sa who are deep

is war work today are exact to get

back to our normal percetage prop-

Wire tier to Stay.
RELITE PRODUCTS, INC.

ANAMON'S ONE DOLLS KELLEY

new lebes, the source of ariticonsuma

and religion association as well as

the firstly of fiving build. So the fee-

perty" about the "coming collapse in

after American swington has completed

its released war ich, But, there are a

lot of people and a lot of dailiers to

swintigg today which would never be

Sare, less planes will be needed

We have the challenge in it, the

transport for the world's natural, nearrial weeks The World which housens Aren.

Personally, we at Kaurra see in aviation to stay! Our service engineers Me to call on mea who feel the stene cereing chemicals. So, my time you have a specialised cleaning or proecoing jeb you'd like help on, we'll appreciate your letting as know.

partions of helpfor to supply better air

COLUMN TARABLES THEOREM BY CONTROL Mis. Plant in Los Arcello, Cascado, Pretty Americ, Hoteleon

made by the nearly 400 subcontractors, press and radio reporscriptum W & Negroto Consdien auroraft controller and president of Poteral Aircraft,

### Superfortress Cost Reduced to \$600,000 Production line figure commented with outlier of \$1,192,796,90 for

Carrent production models of Boring's B-29 Superferiress are mately \$600,000 each, compared with the \$3,390,396.90 cost of the first Superfectrons, according to firts Gen. Kenneth & Wolfe, Air who played an important role in development of the R.38. General read, was communitied control of

Fre-Contract Outlay-It is not ments, tests and changes. Even first B-29's was let, \$64,150 was

General Wolfe said the amount contract was let for \$1,004,046 later reduced to \$1,874,550 when the government assumed certain fight roles. This same did not in clude the movement-frequency equipment, which cost approvemadely \$490,000. The incompleof charges, it cost \$55.041 for rests For the bomb buy, and \$15,660 for new propeller tests Incidental

Studic Tests \$541,525 - Secore built on the production line, it tory of the ATRC at a cost of \$551,020 A complete perfrance

While charges as the regult of tests are expensive. General Walfo sausel. AVIATION NEWS . October 22, 1944



# NEW TIRE REMOVER for Weiter M. Bakule, ferrenas in

a selding shop of the Array Av-Forces Service Consugad on Italia, mulascood that they pay for

No American Builds

# 30,000th Warplane The 20,000th military plane to

be built by North American Aviaturned over to the Army Au Forces. The plane bearing that number was a R-25 Merchall was dram bomber, aredwed at the Karasa City plant North American Aristian has built up its preduction record on five types of planes, including a

spices and components in the Flaher Preblem - Sorre 11.000 Dallon, Tex., plant, deserte a labor turnover rate that ren from 25 moreover on 1941 to 65 managed this me virtually 50 percent of per-

### Mobile Generators Used to Start Planes Device developed by three rea chasics attached to ATSC unit

at Wichia. oracinated by three craftin air-

3-wheel runding scenter to ore-Frests Electrical Equipment-The

ecological also is used for testing radio and other electroni conn-The iden was originated and the

AAF Websts mobilishes, Mark S Back assistant towners and Films Saver-The unit is onre trenderly medal in cold or moleable time and effort, especially when a number of planes have to be serviced. The scooter lost none of the mobility and speed through

# equipment. One mun can oversite New Tumbler Line Post-war plant of J. A. Tumbles laboratories, Baltimere, manufacturers of sutcessive chemical successive once 1876 include a distributed Strough aginties acces-

some and entirement rebbers and W. F. Hagan has been named genwas with American Collaid Devictor E P Drow & Co. where

## FINANCIAL

# Survey Shows Aircraft Dividends To Equal or Exceed '43 Payments Mee liberality in disbusements expected this year as result

of sharply increased earnings and dissipation of fears concessing contract communitiess.

stances exceed dishermoments made. I Dividend. Survey - Aviation NEWS his surveyed the 1641 years In the past, dividend nevenents end dividend action followed by very namedly. The condition has dates dividend declarations were prevaled even where extraors meds, dates of record for stockhave been at high levels. For inholders to be entitled to such parstance, Douglas enrued, per share, ments and actual payments are \$15.05 to 1040 \$33.72 to 1241 \$16.60 to 1963 and \$31.50 last war. Yet in each of these years a unceburnaments this year. For own, fure \$5.00 count dividend was parative purposes the total 1941 paid The growing needs of the sapayments along with 1944 disdustry constantly demanded the burnements thrus for are presented. retention of the bulk of earnings for expansion purposes. More retion by many of the builders may now be autorpated Consolidated pay 50 cents a share Nov. 15 to stock of record Nov. 5. This makes relitated arrest Ehern) diritional dishursements where substantial estrainers in one form or another is seed in 1943 and \$1.00 per share seletance, (AxiaTion News, Sept. 1942.

18, 1943.)

Floreings from High-1970 or the property of the pr

by dissipated, Additions one continue in various receives and still present assessment directed dispersal to the strend dispersal to the strend but and Divident payment time but arrived for most of the strend buttle ers Boon, directors will need used to a year-said declaration. The uncertainty which has always been part of the industry, has pre-closed any stable, occusional periods dividend exercised strate by the will probably relain the unbested that he we computed have maintened register quarterly or stems around division systems and invested systems and invested systems are consistent and become no unsured her and propriet for control that develope the lebit of propriet for control shake useful to the control shake useful to the control of the control of

is met. in Documer with as extension and a service to engage the feed as not to the feed as the feed a

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times to stockholders will have been made. Financial Reports

Financial Reports
Noothseet Airlane, Inc., reports
for your coded June 39, 1994, not
post of \$117,859 offer taxes and
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Another Excellent Operating Base



SOUTHEASTERN'S
Ben Epps Field ... Athens, Ga., Airport

# Den appearent mens, out, an pe

INTRODUCING A COMPLETE FLYING COURSE IN COOPERATION WITH THE UNIVERSITY OF GEORGIA

Ground school courses are conducted by the University and students receive credit toward their depret for ground school work. Prijn instruction, as well as the maintenance of all alreads at this Athens, Ga., how, is in the capable hunds of submeastern's experienced util of pilots and mechanics. We are pleased to report this important step in the gradual transition from Army contract operations to child the operations.



SOUTHE STERN
IR SERVICE, INC.

ATLANTA, GEORGIA

Flight Contractors to U. S. Army Air Forest

Member Accessibil Tribiles Society

# TRANSPORT

# CAB Speeds Hearings on Important North Atlantic Route Case

Board moves quickly to be prepared to assume leading role in would air commerce as changing military situation promises early propening of European trade changels. By DANIEL & WENTZ II

Moving rapidly to means U. S. on a service which will being New York within 11 hours and 55 face of \$235 company witnesses, styromood 25. 441 annual passengers within 19 it well carry 27,400 passengers of a total of \$33,933 one-way North ten year neried. Both frures are will be acted upon with all

contenders for the yeary North Atlaniac plan. The routes they are askure very widely, both as to stope Most qualified observers. whose proposed reades most nest-Ir conform to the Board's tenna-

tive pattern on international The propositing thus for has lit-

arrest Experience as contract Consessed has made many of them specia except a CAB certificate Asserting Airlings, for example, as now fixing a mallon castes reachvided. The company now is fiving courte with Array-covered planes.

C-MCs it now flex for the ATC

will be replaced with the DC-6

ton Chicago and Detroit to Paris AR Assertion will noming the reade anatara which can readily

As brought out in the course of question, American's plans to Expert, and its route expansion will be done or the latter's name

should the acquisition be ap-Another strong emitender in the North Atlantic is Pan American espension into an around-theastron in this case presents a dual several cheere position, and it also hopes to catend into more treffic The hearing speced before Ex-

arreners Thomas L Wrenn and Feedband Moras with speerand Boston Part Authorities, the tower Aviation Canonistion Maxy 11 is asking (from New York, Bos- observers felt that these anabourd



DC4 POWER PLANT

of 525 percent. The line hopes

Parties shows R.JEBS-C Doubte Ware regime and Sudrematic procedler four of which will never each of the Douoles DC-6's stream on order for encome shows as an East Hartford, Corn., test cell where oir fire sinte-Eric Martin of Pratt & Whitney Aircraft and Harvitton Stendard Propelplane's shiftty to imore coastlines Stress Accessibility

### In Port Location Cists bodies assemble of increase race time farme and need for

with outlying sirfelds. Becurrent warrangs to cresc

While recommune dedrability of tration and others point out that make simpet mundatory for-out intologic Fields in spatted how-Front Survey Made-In crime to-

menals which, it is stated, "given

travel's chief advantage, speed "The scheduled fight from Monates to get to the almost in Manperpotas and 80 resources from the Chicago Airport to the Loop. The local travel time, in this cine,

are 1,500 to 2,700 feet for com-3,146 to 3,800 feet for crisus of 3.660 to 25.000 and 4.700 to 4.693 "The primary runner," the mry

CAL'S FINAL ATC FLIGHT: Last flight under Air Transpare Nowter (right), suc-promident in ATC ceroo feaht mentfest to Pulce (left) and Jack Wesler, chief whol

will are up to the maximum allowable cross winds." Therefore secdown and it is settles necessary.

American Gives Data wase a pulot at all tames of the rela-On ATC Operations of all sergraft within a radius of 1 534 392 from Amount 1541 to tary service in December, 1941.

farmed planes and personnel to ce. In April, 1942, it made its h When Air Medal-An American

"Hugge" from India to China 990

times in three and one-half

for the Army of \$75 pricts, \$90 fight treising in two-engine surcraft for 1,300 Navy pilets, modi-Ecation of 99 Bull Liberator use of postoons on the Douglas propeller do-mine equipment.

New Flight Control Methods Developed 400 percent min in effectiveness

Improved methods of air traffic increase in effectiveness almost imstitute of Aeronautical Sciences sereen" in the appeal traffic con-

trol tower. The first "should ad-

interpreted rudius. The lower

25 priles and make identification casts by pilots unnecessary. The other, a traffic centrol radicator would give visual reproduction in

are "approach control" whereby sirways truffe owers! evelers tem, very last frequency (VIII) radio communication facilities and VIIF navigation facilities



IDLEWILD MOCKUP This new model of New York's new \$50,000,000 Milewild arport shours the \$7,500,000 administration building, with three hasper crosses nearbu oil, and losser right, a sexplane base. White lines insheate "tompentio"

command with \$61,550 in 1943

These projected restaurant, news

The apport's tarmetiles in 1946

Roth to Testify

to testrity before the World

subcommittee on overseas trade

of the State Past-War Economic

Bath, who is expected to stress

stion of six-sea service after the

# Washington Airport Revenues up Sharply

cressed schedules listed as impected to take a big pump apward whee guestine rationing is lifted creases in 1964 save 1963, shown higher during the deed year 1946 amount from each landsmar from \$30. sequent increase in audino schodnoticeable in the reverse from "meals aloft," an air terminal san was \$15,160 compared with \$11,605, while that from a buy service, which amounted to \$14. \$750. Reveruse from Gulf Oll's than \$2,000 a month toward what \$150,000 for the 18 months

PROVENUE Up 16 Percent-Total \$70. This compared with \$443.901 Air terroral services in the past fiscal year brought it to \$65.054. Chairman Eurene Worley has ancommercian's studies of overcomes

# Hughes Tool Control Of TWA Approved

Civil Aeroseutics Board last week approved control of TWA by Burher Tool Co. owner of 48.6 percent of TWA's outstanding sents an investment of \$5,500,000 h Conditional of the Board gave its unditions imposed upon TWA That transactions between TWA and Hughes Tool or its officates are limited to stems not exceeding \$350 each, and not agreement ower \$10,000 arressible. That TWA shall furnish on so-

The Board specifically stated



nated confination of tenaminal min-

Worksho on final plans for Idlesriid arport are Clint Scholets, precent engineer in planning, who origitorat to Mentld, and Glean Marks, director of eirport and arrsome decays, both of American

# UAL Contracts with Douglas For Delivery of 15 More DC-6's

Order brings number of freezentine aircraft numbased by airlines for pess-war use to more than 150.

Unried Air Lance, with the stem- that its construct for the 50 fourorders, under continot with Dearstands close to \$120,000,000. This includes 55 DC-4's, 55 DC-6's, 35 order for 16 CW-20's Eastern first refusal basis, dependent on the route outlook Freedom Orders -- United apto the 15 DC-6's and 76 DC-6's or then ardered. Other contracts at

that true came from American Subsequently PCA ordered 15 DC-4's and Pun American Airways assessed it had reads a deposit toward purchase of 28 Price of the 343-mph 44-passenger DC-4 has been averaged at approximately \$400,000, next that of the 300-muh 56-pages yet DC-6 at between \$100,000 and \$500,000. United says, however, may have some of its DC-4's next

true on the other contracts, the Plan American - PAA has estimated the cost of the DC-7 at \$1.412.466. Soon after consumeer vi bad made unital payment tran service including DC-7s a Douglas Princepores 25-seet Sirve

More detailed appropriements are yet to come from the manufactorers, Douglas, for instance, \$50.000.000 worth of contracts. stid there was thereby a \$166 -Australian National Assways has relected the C-47, a version of the DC-A for the civil air freeth?

route between Malbourne and DC-4's and feer DC-4's a Bellaury Time-When the fourproblematical but United hones it

press service between Boston, Mass, and Hamilton, Bermyda



canavar. His daties there buyy heen taken over by E. O. Cocke, TWA general manager

support. With them it expects to refuse constituental claused time to less than 11 hours with a rice on route. With the DC-6, to be A Patterson, United's premisent DC-3's will supplement their use The live sign plant in use the reste, and anticipates the DC-4 would out flight time from 17% to 10% borre

### Alaska Airlines Asks Routes to II S

respaCanadien link as Chicana Acronauter Board for year traffi authorizations to extend its system December States at two posts, styling a direct link between Alaska and and Yakutat are hated as afternate

Parriersky and Anchorage are

which would saick Chesans was Warteborse, Watson Lake, Fort Malann Fort St John Edmonton Minston-Berryada -- Northeast Airines applied for a certificate for



Thu three-dimensional model was used by arreting company excessers

# Industry Cold to Plan to Offer Revised CAR at World Air Parley

Time is not short, manufacturers and airlines feel, for proper study and discussion of proposed new regulations before Chicago conference opening Nov. 1.

# Be MERLIN MICKEL

A rush extempt to preserve a lindustry lessions felt, therefore new set of crysl air regulations to that a revision should not be eyer agreethmess, agreeys and Manufacturers and airlines were to the proposal instired in soy-

drawn is detail by the Cred

committee on international aviapected to require considerable changes frees existing regulations

manufacturing industry, the sixlines and the relate Bears there rather than a proposed revision,

The suggestion has been made ous nations, rather than any effort

to obtain international understanding on a complete new set The Airpline Technical Comover a long period of time. The

tion of a nermanent International Technocal Group to faster such The group would have as its primary function the making and tional agreement can be realized only when all nations doning their once surplanes under the power sir-The nation now has reciprocal agreements with other countries, New Zealand, South Africa and South American countries. Under are developed to all worthings standards. The industry, particu-

industry, seems to feel that eatetence of those deviations will autamatically focus attention on CAR SCHIDULE

the star (Section 60 or all).

All flows the mediump of exhibits in the flow transport resides one (Section 60 or all). For any of the flow transport in the flow transport in the flow transport in the flow transport flows to the flow transport flows the flow transport flow t

In It had been a long on town

Airlines Study FCC Radio Hearings For Effect On Flight Controls

Company specialism see move to solve radio frequency spectrum problems as of vital importance in future development of aviation-donescic, internacional and private,

sets are watching with princent \$ As sirling radio moore from HF Federal Congressives Corperato VHP, the forest will be devoted almost entirely to intercontinent offeet development of aviationdamento, setemational, and provalo-fee years to come Problem is one of central Radio ground central that can be exer-Only ground communications ochtern have the securited resources

ofermulace with to a priet aloft, but this information must be re-Channels Crewded - Hitterio. acronautical radio channels have been mainly in the medium high frequencies. The exposures of \$70e recrease is private form excommunical swintige has servicely ported after the war ultimately crowded the chargeds appointed for demands sebards and permit ments. The use of radio by wa-The Interdepartment Sudge Adviousy Committee representing 12 government departments has FAU types of radio matricipants

tione of radio in served course

tions, the IRAB has given accordpersonally to redite chargosis for occu-Space on the frequency spectrum is leveled at present. The busher ranges with high and preer bigh frequency-are still in the emerimental stage, and will probably be

siderable experimentation and Monewhole, the following dreal-All documents and the communica-\* Teletape curcuits for accime point-

national commercial available prob-'hornely' of radeo frequencies Pastie. In this beeninghers, the arous under consideration are 5.-Canada, Alaska, Caribbean-Central America, and South America persons between the U.S. and Merica

cause will be provided to nature

Pindings of PCC, based on testiyear. The U. S delegation is sur-

# New AA Service

tions. For these purposes, a relatisely low frequency is required to cours the distances involved. New York to Barbank Colif. The \* World-wide requirements for Three Places Converted-Amermes to all-freight before more International arresult will be able surpraft become available are The service is available over

will recure two-way radas in pata planned. First reaction to the rates, lower than Ballway Express Agency's, was said to be with other accompational receive-



# DISCUSS AIRPREIGHT

Three officials from American Airwith the line's somen regargers from Scathern and Western reores and Mauro about Assertors's to right they are James A. Wooten, caren smalle memorer 7 W Brooks, director of stomes course hase, and W. F. College, ownered anditor Interactional sinfrance 100 to to start in mid-Nonventor



PCA...The Counted Airborn' on the furcions. Wino and rudder letters

# Parks Incorporates Air Transport Unit

Firm with \$3,000,000 authorized cepted will ask CAB permission to telescione for Air College as applicant for 35 routes. Effort of Otreer L. Parks, East establish their interest in the lacel

This organization will seek Civil Aeroganties Board porramian to be substituted for Parles Air Col-Saltery 14 200 willes to 15 control capital stack of which \$2,000 and will be read at easilial made on of porations Parks beads, \$400,000 in common stock paid in by board members and personnel of affilisted companies, and \$1,350,000 666 will be banked as working esp-

them Officials of the exponenties

MELFLEX

Industrial Underfact

Safety and Comfort

her proved constitute in Department of phone, Oil colored Content of They sense arthree high factors blatte place after only



Manages Parks Lines Philip C. Warner, vice-president and genmonated Perks Air Terremost Inc.

port the explication. Final teaches are bing put on a book substantisting findings of a research group

directed by Phylip C. Warner, of Transport. A 400-page book along BResearch - Wagner points out on experimental flights, research and engineering study. The new hook will be more than 500 name. The cornecation plans to distribute

For Steen, risken, phone or school and the second steel and the passes of specializing in second steel and the second steel in oraplayees, and has incrediately avadable operating personnel consular of priots, rechange, motor-MEIRIFY PRODUCTS COMPANY L E WARREN Product Officers are Oliver L. Parks, MANAGE & COOK countest Warner vice resulters and seneral manager, John W. MELFIFY FARRIC LINK, TYPE Seven of Silverton Mo. secretoryreassers. Directors Schward C. Purks, Belleville, IR: Jasent, L. Mathews, Scheeten: D Edvar Fletcher, Armstu, Mo.; Oliver Parks and Wasner, Leonard Saysee Oklahems City Inweer and

SAFFTY STANDING MATS member of the board, hardled legal Louis, of which Oliver Parks Is president, is un its 18th year of Alabama Institute of Accounties of Assungation at Jackson: Mis-Silventon, Mo., and Cape Institute

# Grace Takes Panagra

Case to President Asia CAB to request Older Derily for N. Y. Halben must in

Asronautics Board's Latin Amerione proceeding. W. R. Grace & Co., co-swaer with Pan American Board to find that a New York-Balbon route (for which Panages has not applied) is required in the subdic interest and that Panagra

Another step in W. R. Grace & Co.'s offert to break the deadlock in the Panagra beard of directors. the move follows closely a suit brought against CAB in the U. S. Circust Court of Appeals by W. S. Grace & Co., seeking judicial review of the Baard's Personn Terwonal Decision Bnauruch as the President Arbiter-Rehind the nefftion is a theory that the CAD is the plunning body for the U. S. international air route structure active as an advisor. It is W. R. Green & Co's contention that an America corner be arrived at merely through consideration of the applications filed by various carriers, but that the Board must take direct action to this end

They point out that no New hae forms the shortest link between New York and the ownertand West Court of South America

nated against of such service is not > Stalemate -- Grace holds that he

rectors have been able to head venting Pungers from filing for the N Y-Raibes route because a tened. Pap American Grace clarge, has specifically prevented darrage Pan American's role as connecting carrier between the

The problem areasted by this ever, it must came before the Sourd. The latter has found that carried legan a pertificate which would radically change the chartem in the case, however, the Based is specifically represent to pass the question along to the Provident, who is solved to "re-

Friction Criticized The Board repeatedly has criticated the Turnhealthy" friction in the Panagon reaserspent. From ther it cooms rafe to secure that the Board would welcome some equitable means of breaking the deadlock. The petition is expected ultimately to reach the Provident who It is made public

W. IL Grace & Co therefore of a tactered victory by a move to

CAB ACTION

• (8x) Astropathe Food dead addition for French Addition property committee for (AS's rate delades of het Petraney Brane of the five sent the sales Feb. 1, 1900, but Mahmus and Steinhold (sentendent in five the first the parallel sides (sentendent in five the parallel sides) in the parallel sides (sentendent) in the parallel proceeds artifact to Annal Steinhold (sentendent) in the sales (sentende planter are or ellered to the purchase state of the purchase state of the purchase of the purc

Flood factor on National Airland a leasurements stated for Chicago's early 1986 Contracted on WPWs If 8 and the West Coast of South making majorials symilable.

> The referable, if approved, will be valid thorough Jun. (1), 1500.
>
> • A purplies of the application of Auditor • Britts temporality a public between Larent, Breats, and Corpor Christ, From, has been directioned for the Eurol See the Property in street. \* City of Findertriales and Rosine Fort An. beside werd entherhold in princetal in De-North Allandia concerning and commission from Domestarders with 10 the hardway. It is Emember of Asservant April 10 the hardway to the contract of the contract of the con-traction of the law of the contract inches and the first of the con-traction of the law of the law of the con-cerning of the law of the law of the con-cerning of the law of the law of the law of the contraction of the law of th between Pearl Magher and San Fran-Mars, representing more than 200. 000 miles with recre than a million

mining the addition of New Levy and streption, N. C., to AM S. National of orders of Ellins of New Levy on AM in

of Stotic Springer Laboratory policionships bendering in the Springer Laboratory and James Bendering Laboratory Laborator Free Department (Section #1) or all.

Ore, M. based a bengaratir strengths under to genith American Expert Arisine to each and widel sprintfun factories bytem, Eds., and widel sprintfun factories bytem, Eds., distance, Exchant, distance, and posterior distance, Exchant, distance, and posterior flowly, printful and for his June, F. E. went-hands. The most critic private conferend en-couples and Exercisis and Driv Lynder. og spendigger film, and Napil. Eyest. in Little and Spile. Eyest. In Little and Spile. In the Napil. Eyest. Increase Napil and Little via Pisheman Napil and Little via Pisheman Spile. Little E. Linna, Peringuan Galant. often Liferitz, Erlaina, Fretaguere Galani, no diago: Britanen Lidean and New York via Taigar, monta Piphermany Labo Natal, Erlan-tys of Bagla, Man Juan and Levenilla, Erlainen, Frayan and H. Van Van Lidean, also Mandal, Erlain Var of Sent, San Juan Julies Mandal, Erlain Var of Sent, San Juan then Match Edwa, provint service on a financial. The reservicies order responds service be-reas Sine State and Forgan who Resilia-tenced, weakness interest Forgan and New Action of the State of the State of the adds took exceeded in the New Yorkship women with Eremeth. Her Jung Port, all point and Rainay at the New Torkship point and Rainay at the New Torkship

with eight strikes leading \$1,200,000 without interest for construction

A first of few DC-Ts, now helps Dening of service to Hantsville Ala, is planned by Pennsylvania-Central Airlines for early next month, now that surport facilities

month, now that airport facilities are available. Step at Hurisville was certificated in 1942. Northwest Airlines, to its second the last four months, has seen ehand for \$67,000 a building to mused Oct. 22 with two reserve

Marcury skill, daysloand by long expensence in febricating sheet aluminumber for murificer feet tanks, both for knowle here

and extense mounties has MERCURY AIRCRAFT INC. AMERICA STREET, STREET, SANSTER

At The Credit of America MAMAGNOSPORT /- HER TORE

# Unshackle Personal Flying

Some nay physical examinations for private flythree enertally-designated medical examiners who have the exclusive right to pass on potential and present prints-occurst the first progressive sten This would eliminate the annual examination. The Safety Bureau of the Cred Accompance Board several months ago began carculating a pronoral relating to private and student offets that either (1) aboveral expressions he made only every two years by any qualified physician of the polot's choice or, that (2) only one physical exlifeste is issued and themselve it would be the relate own responsibility not to fix if his wheeler) condition became such that he could not pass the gristinal exemination. "In either case, it may be plicant his adequate evenight and no silments which might cause him to become incaracitated

raddenly or unexpectedly," the pyroposal reads. rebellion of neighbo flower. They more westsfields reject, rather than man, applicants or certificate bolders on the basis of physical condition. What was cornelly meant as only the first sten in a flight instructor and the CAA inspector became the maste bottleneck in the arowth of personal systion. The potential provide policy was looked it was the public who revolted, because more and more it sought to learn bow to fiv and was rebuffed to the point of doing comething about it. It was therearchly feel up with unnecessarily straexaminations and notices from Washinston which did not even tell the disappointed candidates why they did not near their physical. What is the buris for continuing the sensent way

ulatered? Does the record show that the pillot's physical condition has been a factor in past accidents? Actually, no astudactory answer to the proposal has been heard. The truth is that we are not facts. Objections to liberalising physicals have been, and still are, hased on accidents which might happen. Assumptions have been made for dustry have gloss an excellent ush

which there is no proof. Experience and records hive been ignored. For example: The director of CAB's Safety Bureau, Jesus Lankford, finds that in analyzing over 60,000 civil system accidents in the last 15 years, no more than two or these could be associated with any examination given him prior to the scrident. In order to prevent the cry that the record of 18 years is not sufficient proof because it is based tial, respected research sroup. If the results substantiste the position of the Safety Bureau H should not into effect immediately a liberalized Private flying has been bamstrung beyond en-

# durance 4td the revision of physical standards is Good Public Relations

er man pages a discruptled RAF agreemt in Indu to remed some Americans that despite our U. S. sircraft is the highest in the world. The accessor complained to the editors that has of Portmone Liberators Musterey Thursderights as I can see," wrote the servicent. "the only thing To which the editors replied: "We entirely we have pointed out before. The Aeroplane is shouled under with beautiful photographs and all but we cannot set either the photographs or insource deal it deserves and has earned, and which will enable at to commete in fair commetition with fromen markets until it is released from the shackles of bureaucratic government control The same antument applies to the Royal Air Force.... liese will be unprecedented demand for our post war planes. The public relations staffs of the m-



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has now extend its broad experience and extensive facilities to the production of the finest of annual suppose representational bare in our result is now, universirange of 200-525 Ac and 2.5 to 20 mc. . . with sufficient power supply expectly to peaking sandgeneous constraint of 2 radio telephone, 3 radio telephone, and 2 selegyeph, or 5 telegraph channels . . . and designed to allow quick introllation of orbitalisated RF channels in traffic heads increase. Constrained to the quality requirements which have made the products of Benefit.

information as to disservices, wright, construction, electrical characteristics and



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